

**Statistics Report 09221, Tangerine juice, raw**

**Report Date: July 01, 2017 02:29 EDT**

Nutrient values and weights are for edible portion.

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Proximates													
Water	g	88.90	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Energy	kcal	43	--	--	--	--	--	--	--	--	Calculated or imputed	--	08/1982
Energy	kJ	180	--	--	--	--	--	--	--	--	Calculated or imputed	--	02/2007
Protein	g	0.50	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Total lipid (fat)	g	0.20	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Ash	g	0.30	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Carbohydrate, by difference	g	10.10	--	--	--	--	--	--	--	--	Calculated or imputed	--	08/1982
Fiber, total dietary	g	0.2	--	--	--	--	--	--	--	--	Calculated or imputed	--	08/1982
Sugars, total	g	9.90	--	--	--	--	--	--	--	--	Calculated or imputed	--	02/2003
Minerals													
Calcium, Ca	mg	18	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Iron, Fe	mg	0.20	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Magnesium, Mg	mg	8	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Phosphorus, P	mg	14	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Potassium, K	mg	178	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Sodium, Na	mg	1	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Zinc, Zn	mg	0.03	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Copper, Cu	mg	0.025	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Manganese, Mn	mg	0.037	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Selenium, Se	µg	0.1	--	--	--	--	--	--	--	--	Calculated or imputed	--	12/1997
Vitamins													
Vitamin C, total ascorbic acid	mg	31.0	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982

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Thiamin	mg	0.060	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Riboflavin	mg	0.020	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Niacin	mg	0.100	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Pantothenic acid	mg	0.125	--	--	--	--	--	--	--	--	Calculated or imputed	--	08/1982
Vitamin B-6	mg	0.042	--	--	--	--	--	--	--	--	Calculated or imputed	--	08/1982
Folate, total	µg	5	--	--	--	--	--	--	--	--	Calculated or imputed	--	08/1982
Folic acid	µg	0	--	--	--	--	--	--	--	--	Assumed zero	--	01/2001
Folate, food	µg	5	--	--	--	--	--	--	--	--	Calculated or imputed	--	02/2007
Folate, DFE	µg	5	--	--	--	--	--	--	--	--	Calculated or imputed	--	02/2007
Choline, total	mg	6.2	--	--	--	--	--	--	--	--	Calculated or imputed	09209	02/2007
Vitamin B-12	µg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	08/1982
Vitamin B-12, added	µg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	09/2004
Vitamin A, RAE <a href="#">1</a>	µg	13	7	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/2003
Retinol	µg	0	--	--	--	--	--	--	--	--	Assumed zero	--	06/2002
Carotene, beta <a href="#">1</a>	µg	38	7	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/2003

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Carotene, alpha <a href="#">1</a>	µg	14	7	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/2003
Cryptoxanthin, beta <a href="#">1</a>	µg	214	7	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/2003
Vitamin A, IU <a href="#">1</a>	IU	253	7	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/2003
Lycopene	µg	0	--	--	--	--	--	--	--	--	Calculated or imputed	09218	02/2003
Lutein + zeaxanthin <a href="#">1</a>	µg	166	7	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/2003
Vitamin E (alpha-tocopherol)	mg	0.13	--	--	--	--	--	--	--	--	Calculated or imputed	09218	02/2003
Vitamin E, added	mg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	09/2004
Vitamin D (D2 + D3)	µg	0.0	--	--	--	--	--	--	--	--	Assumed zero	--	11/2008
Vitamin D	IU	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2009
Vitamin K (phylloquinone)	µg	0.0	--	--	--	--	--	--	--	--	Calculated or imputed	09218	02/2003
Lipids													
Fatty acids, total saturated	g	0.024	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
4:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
6:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
8:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
10:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
12:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
14:0	g	0.001	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
16:0	g	0.021	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
18:0	g	0.001	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Fatty acids, total monounsaturated	g	0.036	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
16:1 undifferentiated	g	0.005	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
18:1 undifferentiated	g	0.032	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
20:1	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995

## Amino Acids

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Tryptophan	g	0.001	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Threonine	g	0.006	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Isoleucine	g	0.005	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Leucine	g	0.010	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Lysine	g	0.007	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Methionine	g	0.002	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Cystine	g	0.004	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Phenylalanine	g	0.006	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Tyrosine	g	0.003	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Valine	g	0.008	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Arginine	g	0.034	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Histidine	g	0.002	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Alanine	g	0.011	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Aspartic acid	g	0.053	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Glutamic acid	g	0.024	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Glycine	g	0.007	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Proline	g	0.031	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Serine	g	0.009	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Other													
Alcohol, ethyl	g	0.0	--	--	--	--	--	--	--	--	Assumed zero	--	04/1985
Caffeine	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2003
Theobromine	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2003



Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Flavonoids													
Flavanones													
Eriodictyol <a href="#">2</a> <a href="#">3</a>	mg	0.0	--	0.02	0	0.1	--	--	--	--	--	--	--
Hesperetin <a href="#">2</a> <a href="#">3</a> <a href="#">4</a>	mg	17.1	--	5.01	4.31	36.28	--	--	--	--	--	--	--
Naringenin <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a>	mg	1.4	--	0.89	0	7.22	--	--	--	--	--	--	--
Flavones													
Apigenin <a href="#">2</a> <a href="#">3</a>	mg	0.0	--	0	0	0	--	--	--	--	--	--	--
Luteolin <a href="#">3</a>	mg	0.0	--	--	0	0	--	--	--	--	--	--	--
Flavonols													
Kaempferol <a href="#">3</a>	mg	0.0	--	--	0	0	--	--	--	--	--	--	--
Quercetin <a href="#">2</a> <a href="#">3</a>	mg	0.3	--	0.29	0	1.44	--	--	--	--	--	--	--

Sources of Data  
<sup>1</sup> *R Stewart* **Provitamin A and carotenoid content of citrus juices**, 1977 *J Agric Food Chem* 25 pp.1132-1137

<sup>2</sup> *Berhow, M., Tisserat, B., Kanes, K., and Vandercook, C.* **Survey of phenolic compounds produced in citrus.**, 1998 Technical Bulletin Number 1856, ARS, USDA, December 1998.

<sup>3</sup> *Nogata, Y., Ohta, H., Yoza, K-I., Berhow, M., and Hasegawa, S.* **High-performance liquid chromatographic determination of naturally occurring flavonoids in citrus with a photodiode-array detector**, 1994 *J. Chromatogr. A* 667 pp.59-66

<sup>4</sup> *Dhuique-Mayer, C., Caris-Veyrat, C., Ollitrault, P., Curk, F., and Amiot, M-J.* **Varietal and interspecific influence on micronutrient contents in citrus from the Mediterranean area.**, 2005 *J. Agric. Food Chem.* 53 pp.2140-2145

<sup>5</sup> *Yusof, S., Ghazali, H. M., and King, G. S.* **Naringin content in local citrus fruits.**, 1990 *Food Chem* 37 pp.113-121